

Title: MATERIALS AND METHODS RELATING TO
THERAPY AND DIAGNOSIS USING TARGETING OF CELLS
THAT EXPRESS JPL POLYPEPTIDES

Applicants: Peter C.R. Emtage et al.

Docket No.: NUVO-05

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GCCCCAGCAGGCTCTCCAGTCCCAGGATGCGCTGAGCCGCCGGGGGGCTGAGGCCGCGCCAACTACATG
CATGTCCCCCGGGGGCAAGTTCGACTTTGACGACGGGGGTGCTACGTGGGGGGCTGGGAGGCGGGGCGG
GCACATGGCTACGGCGTGTGCACGGGCCCCGGCGCCAGGGCGAGTACAGCGGCTGCTGGGCACACGGCT
TCGAGTCAC'TGGGCGTCTTCACGGGGCCCCGGCGACACAGCTACCAGGGCCACTGGCAGCAGGGCAAGCG
CGAAGGGCTGGGCGTGGAGCGCAAGAGCCGCTGGACGTACCGCGGCGAGTGGCTGGGCGGGCTGAAGGGG
CGCAGCGGCGTGTGGGAAAGCGTGTCCGGCCTGCGCTACGCCGGGCTCTGGAAGGACGGTTTCCAGGACG
GCTACGGCACTGAGACCTACTCCGACGGAGGCACCTACCAGGGCCAGTGGCAGGCCGGGAAGCGCCACGG
CTACGGGGTACGCCAGAGTGTGCCCTACCATCAGGCGGCGCTGCTGCGCTCGCCCCGCCGACCTCCCTG
GATTCGGGCCACAGCGACCCCCGACGCCACCCCCGCCCCCTGCCCTTGCCGGGCGACGAGGGAGGCAGCC
CCGCTCGGGCTCCCGGGGCGGCTTCGTGCTGGCCGGGCCCCGGGGACGCCGACGGCGCTCGTCCCCGAAA
GCGCACTCCGGCGGGCCGGCGGATTCTTTCCGGCTTCGCTGCTGCTCAGCGGGCTCCGAGCGGGCGGACGT
CGCAGCTCCCTGGGCAGCAAGCGAGGCTCCCTGCGCAGCGAGGTGAGCAGCGAGGTGGGCAGCACCGGAC
CGCCCCGCTCGGAGGCCAGCGGGCCCCCGCCGACGCGCCGCCCTCATCGAGGGCTCGGCCACAGA
GGTGTAACGGGGCGAGTGGCGCGCAGATCGGCGCAGCGGCTTCGGCGTCAGCCAGCGCTCCAACGGGCTG
CGCTACGAGGGCGAGTGGCTGGGCAACCGGCGGCACGGCTACGGGCGCACCACCGCCCCGACGGCTCCC
GCGAGGAGGGCAAGTACAAGCGCAACCGGCTGGTGCACGGCGGGCGCTCCGAGTCTCCTGCCTCTGGC
CCTTCGGCGGGGCAAGGTTAAGGAGAAGGTGGACAGGGCTGTTCGAGGGCGCCCCGTCGAGCCGTGAGTGCT
GCCCCGTCAGCGCCAGGAGATCGCCGCTGCCAGGGCAGCAGACGCCCTCCTAAAGGCAGTGGCAGCCAGCA
GTGTGCTGAGAAGGCCGTGGAGGCAGCTCGAATGGCCAAACTGATAGCCAGGACCTGCAGCCCATGCT
AGAGGCCCCAGGCCGAGACCCAGGCAGGACTCAGAAGGTTCCGACACGGAGCCCCCTGGATGAGGACAGC
CTGGGGTATATGAGAACGGACTGACCCCCCAGAGGGATCCCCTGAACTGCCCAGCAGTCTCTGCCTCCT
CCCCCAAACCTGGCGACCCCCCTGCCTGCCGAGCCCACTGCCTCCTGGAGGGGACCAGGGTCCCTTCTC
CAGCCCCAAAGCTTGCCCTGAGGAGTGGGGGGGGGCGAGGCGCACAGGCAGAGGAAGTCTGGCTATGAG
GCTGAGGATGAGGCTGGGATGCAAGGGCCAGGGCCAGAGACGGTTCCCCACTCCTCGAGGCTGCAGCG
ACAGTTACAGGAAGTCTTCGAGAGGAGGAGGGGGAGGATGAAGAGCCCCCTGCCCCCGCTGAGGGCCCCAGC
AGGCACGGAGCCTGAGCCCATCGCCATGCTGGTCTGAGGGGCTCGTCTCGAGGGGTCTGATGCTGGG
TGCTTGACAGAAGAGCTCGGGGAGCCCCGCTGCAACCGAGAGGCTGCCCAGCCGGGAGCTGCCAACCCCC
TGGTGGTGGGAGCCGTGGCCCTCCTGGACCTCAGCCTGGCATTCTGTCTCTCCAGCTCCTCACCTGAGG
CTACTTCTTGGCTGGTTCTGGCTTTGGTTGCGTGCCTCTTACCCCTTTGACCTGCCTTTTTTCTCTTC
TCCTCTTCTTGGCTGTGTTTTCTCTATCTTTCTTTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT
TTTTCTCTCGCTTTTTTCTTTCCCTGTCTTCTTTCAGATTATCTCATTCTTCTTCTTCTTCTTCTTCTTCT
CCTCACTCCCTTCCCCATCCCAACCCCTTCTTTCTCTAGATTGTTTACATATGAAGGGCTTTTCTCTCTC
AGAGTTGCTGTCTTCTCTGAGACACACAAATCTAAGTCAGACCATTGCTCCACGCCCTCCACCTTTTCT
TTAGACCTCAACTTCGCTGCGGGTGGGGGTTTGGTGTCTTAAGGAGACTCCTGGAAGCTGAATGGAGAGG
AGGAAGAAAATGAAGAAGGAGTGATTGAATGTCGGGCAAGGCACTGGCTGAGCTGCTGTGGCTCCCTAGC
CTAAGGGGCTGCTGTCCCTCTGAGGCCCTAGTGAAAAAGCTGCAGGAGGTGCATCCTCCACCTCTAATCT
TGGAGGCTATTATCTTACCTCCAAGCACTGAGCTGGGTACTGCCCAATTCATCCTTCCCTGAAGGAGA
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CCAGCCCCCTCTGGTGGCATGCCATGCCAAGAGCAACGTGTAAAGGAACAGAGAATATCCAATGCAGTCA
AGTCCACCTGCCCAGACTTTGCCACTGACTTCTCCACCCCTTCTGTCTCCCCCATAATAGTTTATTTGG
TTGGTCTGGACTCACTTGTGGCCTTTGATTAAATTCCTAAGGGGCTGAAGAAGACATTTCTACTGCAGA
GGGTAGAGGCACTTGGAGCAAGGCCCCCACATCCCAACTCTGGGAGTTGTGGTGGGAGGAGGCACTTCTG
GGGATAGGACCAGACAAGATAACAGGAGCTCACATGGAAGCAGAAGCTGTGACAAGTTTAGTAGTCCCA
AAATGGGTTATATCCCTTCCCTCTGTCGCGAATTCCTGGCCCTCGAGGGCCAAAT

FIGURE 1

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MSPGGKFDFDDGGCYVGGWEAGRAHGYGVCTGPGAQGEYSGCWAHGFESL	50
GVFTGPGGHSYQGHWQQGKREGLGVERKSRTYRGEWLGGGLKGRSGVWES	100
VSGLRYAGLWKDGFQDGYGTETYSDDGGTYQGQWQAGKRHGYGVRQSVPYH	150
QAALLRSPRRTSLDSGHSDPPTPPPPLPLPGDEGGSPASGSRGGFVLAGP	200
GDADGASSRKRTPAAGGFFRRSLLLSGLRAGGRRSSLGSKRGLRSEVSS	250
EVGSTGPPGSEASGPPAAAPPALIEGSATEVYAGEWRADRRSGFGVSQRS	300
NGLRYEGEWLGNRRHGYGRTRPDGSREEGKYKRNRLVHGGRVRSLLPLA	350
LRRGKVKEKVDRAVEGARRAVSAARQRQEIAAARAADALLKAVAASSVAE	400
KAVEAARMAKLIAQDLQPMLEAPGRRPRQDSEGSDEPLDEDSPGVYENG	450
LTPSEGSPELPSSPASSRQPWRPPACRSPLPPGGDQGPFSPPKAWPEEWG	500
GAGAQAEEELAGYEADEAGMQGPGPRDGSPLLGGCSDSSGSLREEEGEDE	550
EPLPPLRAPAGTEPEPIAMLVLRGSSSRGPDAGCLTEELGEPATERPAQ	600
PGAANPLVVGAVALLDLSLAFLFSQLLT	629

FIGURE 2

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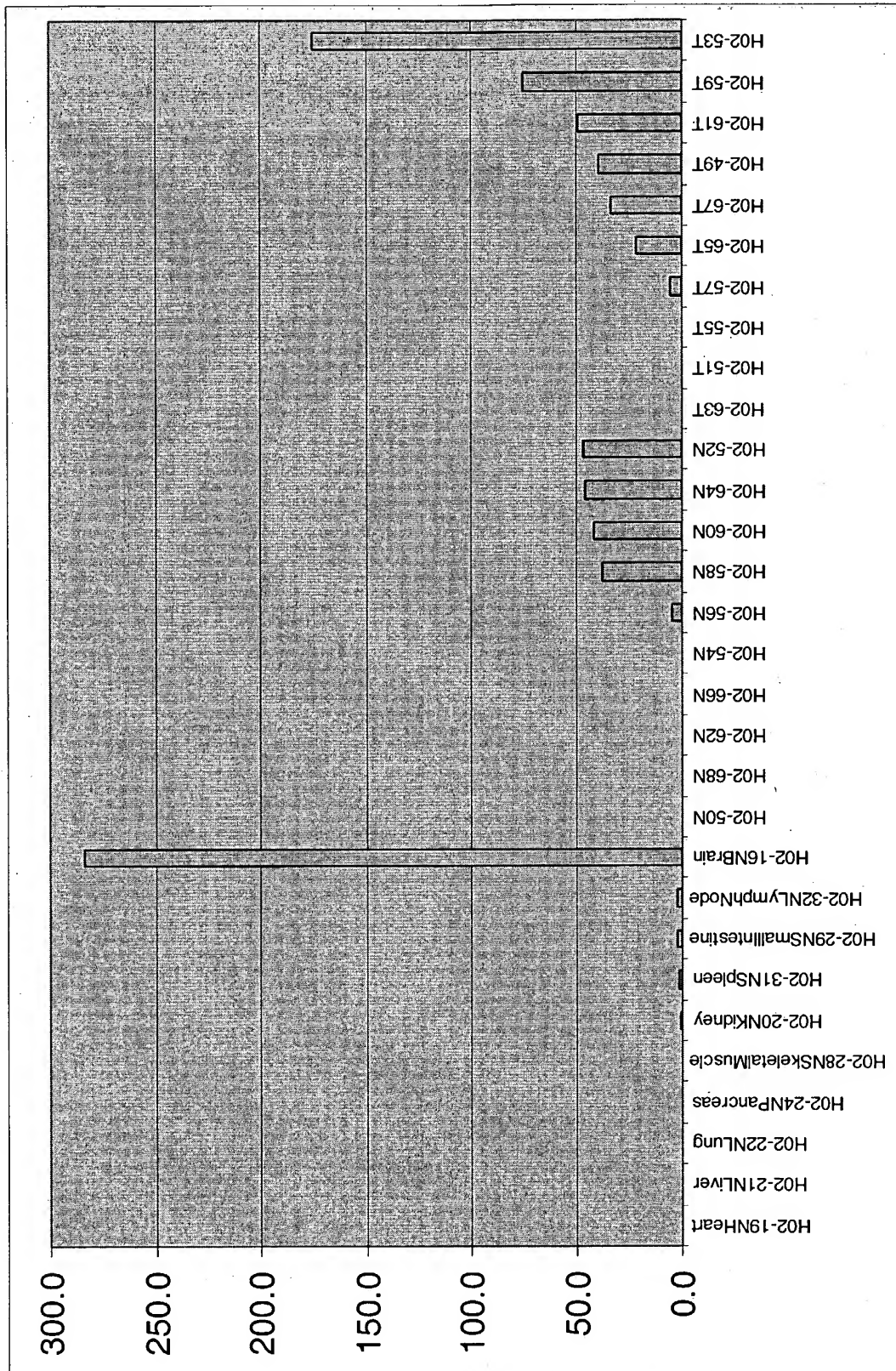


FIGURE 4